SIGNAMAX™

065-7305GPOEP

5-Port PoE/PoE+ Switch

with 4 ports 10/100/1000BaseT/TX

PoE/PoE+

plus 1 10/100/1000BaseT/TX uplink port

User's Manual

Overview:

The Signamax 065-7305GPOEP PoE/PoE+ Switch is a 5-port unmanaged Gigabit PoE/PoE+ switch with 4 10/100/1000BaseT/TX unmanaged PoE/PoE+ ports supporting IEEE 802.3af/at terminal devices as a PoE Power Source Equipment (PSE), plus 1 10/100/100BaseT/TX non-PoE port that can be used to uplink to another switch or support a non-PoE device. In addition, when a device other than a PoE Powered Device (PD) is connected to a PoE-equipped port, the switch will not supply PoE power to that port, ensuring safety for data-only connections. Using its external power supply, this device provides full 30 watt power to all four PoE/PoE+-capable ports. It also supports a 10/100/1000BaseT/TX port for copper uplink for distributed PoE/PoE+ solutions. It has a small desktop form factor, with wall mounting hardware included.

PoE switches supply power and transfer data by using network cables; network cables do not require a qualified electrician to install them, and can be located anywhere, reducing the time and expense of having electrical power cabling installed.

The Signamax 065-7305GPOEP is the ideal choice for those who desire to economically deploy wireless access points, IP cameras, access control devices, and IP telephones at Gigabit speeds on a small scale.

Key Features:

- **IEEE 802.3af/at Power over Ethernet (PoE/PoE+) compliant.**
- **Supports 10/100/1000BaseT/TX Auto-MDIX Gigabit Ethernet on all five ports.**
- **Four 10/100/1000BaseT/TX Auto-MDIX PoE/PoE+ ports.**
- **48 Volts DC 2 Amp external power supply.**
- **Provides up to a maximum of 30 watts for a single PoE/PoE+ port.**
- **Automatically detects the PoE Power Class level of a Powered Device.**
- **10 Gigabit switching capacity for full wire-speed non-blocking reception and transmission.**
- **Forwarding rate: 1000 Mbps: 1,488,000 pps; 100 Mbps: 148,800 pps; 10 Mbps: 14,880 pps.**
- **Status LEDs: System Power, PoE, 1000 Mbps, and Link / Activity.**
- **Store-and-forward switching method.**
- **Back pressure Flow Control for Half-Duplex mode.**
- **IEEE 802.3x Flow Control for Full-Duplex mode.**
- **Sturdy wall mountable metal case.**
- **Power saving technology powers down both unused ports and when a connected device is in standby mode.**
- **Plug and Play for easy installation and use.**
- **5-year limited warranty.**

User Guide:

1. Check the PoE switch:

1. **Please check the enclosure, the RJ-45 ports, and the LED indicators, making sure they are ok.**
2. **Connect the PoE switch to AC power, making sure the initialization of the PoE switch occurs as below:**
    - **POE indicator is off when power is connected.**
    - **POW indicator is on and remains on after connection to AC power.**
    - **Other indicators will be on, then off after one or two seconds.**

2. Cable connection:

1. **Connect the Switch to Computer or other PD (such as an IP camera or wireless AP) by Cat. 5 or better cables.**
2. **Connect the external power cord to the Switch and the power cord to AC plug**
3. **Turn on the switch**

Caution:

1) **All operation should be provided only by a qualified service technician.**
2) **Make sure the PDs you connected to the Switch are compliant with IEEE 802.3af or 802.3at.**
3) **Make sure the power is off before unplugging the AC power.**
4) **Makes sure all PoE PDs power consumption is less than total power**
5) **Please avoid any heavy thing placed on the Switch.**
6) **Do not use this product near water, for example, in a wet basement or near a swimming pool.**
7) **Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.**
8) **For outdoor use, the Switch itself should be housed inside a protective enclosure.**
9) **Cutting power during a firmware upgrade can damage your device.**
10) **Only use attachments/accessories specified by the manufacturer.**
11) **Opening the switch or tampering with the warranty sticker can void your warranty.**

Technical Specifications:

Hardware	
Applicable Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at Power over Ethernet (PoE+) IEEE 802.3x Flow Control
Ports	4 – 10/100/1000BaseT/TX Auto-MDIX PoE/PoE+ RJ-45 ports 1 – 10/100/1000BaseT/TX Auto-MDIX RJ-45 port
Data Transfer Rate	Ethernet: 10/100/1000 Mbps (Half / Full Duplex)
Forwarding Rate	1000 Mbps: 1,488,000 pps; 100 Mbps: 148,800 pps; 10 Mbps: 14,880 pps
Switching capacity	10 Gbps
Power	Input: 100-240 V, 50/60 Hz, output: 48 V DC
LED indicators	Power, PoE, Link / Activity
Power Consumption	Min: 8 Watts (standby) PoE Max: 76 Watts
Temperature	Operating: 32° ~ 113°F (0° ~ 45°C) Storage: -20° ~ 90°C (-4° ~ 194°F)
Humidity	RH: Max 90% (non-condensing)
Dimensions	5.51 x 3.58 x 1.1 in. W x D x H (140 x 91 x 28 mm)
Weight	0.81 lbs (0.37 kg)
Certifications	CE, FCC ROHS
PoE	
Power over Ethernet	Up to 30 watts for PoE/PoE+ PoE: pin 3,6 for power- and pin 1,2 for power+

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